High resolution versatile display solution

42" Wide WXGA Plasma Monitor

This large WXGA monitor is a real eye catcher for indoor public areas thanks to its size and outstanding video performance. Razor sharp display of graphics and pc-presentations make this monitor also a welcome guest in boardrooms.

Operational flexibility
- Monitor is network controllable for remote management
- Multiple PC input formats up to WXGA
- Wide choice of analog and digital connectivity
- Quiet and reliable fanless operation
- VGA loop through to daisy chain other monitors
- Portrait mounting possible

Optimal Public Display front of screen experience
- 3D combfilter separates colors for a razor-sharp image
- HDTV Signal Compatible to display HDTV content
- 3:2 Pulldown eliminates artefacts when watching movies
- Motion Adaptive De-interlacing for razor sharp images
- PiP allows watching a second source simultaneously

Lower total cost of ownership
- Long expected panel lifetime of over 60.000 hours

PHILIPS

42 inch Plasma Monitor

BDH4222V/00

Technical specifications

Picture/Display

- Panel Size: 42" / 106.7cm
- Aspect ratio: 16:9
- Panel resolution: 1024 x 1024i
- Pixel pitch: 0.9 x 0.51 mm
- Brightness: 1100 cd/m²
- Contrast ratio: 1000:1
- Display colors: 16.7 Million colors
- Viewing angle: 160 (H) / 160 (V)
- Effective viewing area: 921.6 x 522.24mm
- Horizontal Scanning Frequency: 15-91 kHz
- Vertical Scanning Frequency: 50 - 85 Hz
- Picture enhancement: 3D Combfilter, 3/2 - 2/2 motion pull down, Motion adaptive de-interlacing, Picture in Picture

Supported Display Resolution

Resolution	Refresh rate
• Computer formats	
1280 x 1024	60, 75, 85Hz
1280 x 960	60, 85Hz
1024 x 768	60, 70, 75, 85Hz
800 x 600	56, 60, 72, 75,85Hz
720 x 400	70Hz
640 x 480	60, 72, 75, 85Hz
640 x 480	60Hz
• Video formats	
480p	60Hz
576p	50Hz
1080i	60, 50Hz
576i	50Hz
480i	60Hz
720p	50, 60Hz

- WVGA 852 x 480: 60 Hz
- VGA 640 x 350: 70 Hz
- MAC 1152 x 870: 75 Hz
- MAC 832 x 624: 75 Hz
- MAC 640 x 480: 67 Hz

Connectivity

- PC: DVI-D x1, RS232 D-Sub9, VGA-in D-Sub 15HD, VGA-out D-Sub 15HD
- AV input: Component (YPbPr) 2x, S-video x1, Composite (CVBS) x1, Audio (L/R) for YPbPr 2x
- Audio cinch out: Analog audio output L/R
- Audio input for data: Audio Left/Right (RCA) 2x
- Audio input for PC: Audio Left/Right (RCA 2x)
- Audio output: Subwoofer Out, Stereo Audio (3.5 mm jack) 1x

Convenience

- Picture in Picture: Double window, Picture in Picture All Inputs
- RS232 controlability
- Convenience Enhancements: On-screen Display
- OSD Languages: English, French, Spanish
- Monitor Controls: Power On/Off, Left/Right, Up/Down, Menu (OK), Volume control, Source Select
- Screen saving functions: Full white, pixel shift
- Built-in Audio: Built-in amplifier and 5 Watts RMSx2 stereo speakers
- SRS sound processing
- Regulatory Approvals: FCC-B, UL, CSA, CE Mark

Power

- Consumption: 390 Watts (color bar)
- Power supply: 100-240VAC, 50/60Hz
- Sleep Mode: 10 Watts Max.

Dimensions

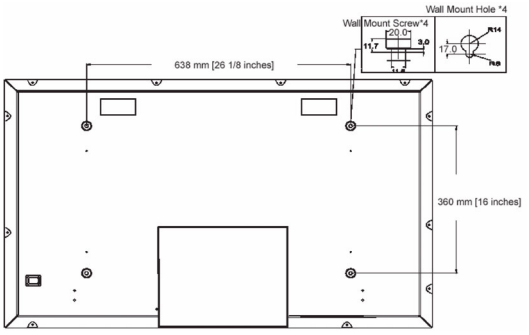
- Dimensions (with base) (W x H x D): 1040 x 690 x 287.5 mm
- Dimensions (without base) (W x H x D): 1040 x 648 x 95 mm
- Weight: 31.2 kg
- Temperature Range (Operation): 0 degree C to +40
- Temperature Range (Storage): -5 degree C to +45
- Relative Humidity: 20% - 80 %
- Lifetime to 50% brightness: 80000 hr

Accessories

- Included Accessories: AC Power Cord, Battery, Remote Control, Table top stand, VGA cable
- User Guide on CD-ROM
- Optional accessories: Ceiling mount, Flexible wall mount, Fixed wall mount
- User Manual: English, Spanish

Miscellaneous

- Bezel: Metalic Antracite



Product highlights

Network controllability: RS232
Network controllability is system by which IT staff can control and adjust monitors remotely through the RS232 protocol.

HDTV Signal Compatible
This display is capable of accepting 1080i and 720p HDTV signals via na external HDTV decoder with RGB or Components Video outputs

VGA loop through
In case more than one screen need to share the same input signal, VGA loop through offers a cost effective solution in which the VGA input signal is amplified and made available on a VGA output connector which can be connected to the next monitor

3D Combfilter
The 3D comb filter separates brightness and color signals better in 3D domain to eliminate cross-color, cross-luminance and dot-crawl distortion - all of which detract from your viewing pleasure. The 3D digital comb filter performs field-by-field comparisons of the television image to accurately separate the color from the black-and-white information and remove both horizontally and vertically hanging dots, as well as dot crawl. The result is a razor sharp image.

3:2 Pulldown
3:2 Pulldown totally eliminates the unwanted artefacts that distort your picture viewing when watching movies. With these artefacts gone, you will enjoy the movie the way it is meant to be.

Motion adaptive de-interlacing
This smart de-interlacing algorithm is able to detect the type of video source (such as Still Picture, Motion Picture or Film) and automatically optimize the de-interlacing process with Spatial, Temporal or Film mode de-interlacing. The result is that it delivers razor sharp and stable images every time.

Multiple PC input formats
The product supports PC compatibility for VGA, SVGA, XGA and WXGA. A universal public display solution requires versatile PC input support.

Wide choice of connectivity
Versatile public display solutions require versatile analogue and digital connectivity.

Picture In Picture (PIP)
Provides the ability to watch simultaneously two different sources, either two video sources or a combination with data/graphics

Portrait mounting possible
Some public display applications require portrait mounting. This display is also prepared for save and reliable mounting in portrait position.

Long expected panel lifetime
In public display applications 24/7 operation is often required. Even afer 60000 hours of operation the brightness level of the display will be higher than 50% of the initial value.

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